

DECLARATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "METHODS AND APPARATUS FOR FORMING SOLDER BALLS," the specification of which:

 X is attached hereto.
 was filed on as Application Serial No.:

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

			<u>Priority Claimed</u>
(Number)	(Country)	(Date Filed)	Yes/No
(Number)	(Country)	(Date Filed)	Yes/No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)

I hereby direct that all correspondence and telephone calls be addressed to Michael G. Fletcher, Fletcher, Yoder & Van Someren, Post Office Box 692289, Houston, Texas 77269-2289, (281) 970-4545.

I hereby declare that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Full Name: Warren M. Farnworth
(First) (Initial) (Last)

Inventor's Signature: *Warren M. Farnworth*

Date: 11-30-98 Country of Citizenship U.S.A.

Residence Address: 2004 South Banner
(Include number, street name, city, state, and country)
Nampa, Idaho 83686 U.S.A.

Post Office Address:
(If different) _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Warren M. Farnworth

Serial No.: Unassigned

Filed: Herewith

For: METHODS AND APPARATUS
FOR FORMING SOLDER BALLS

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Group Art Unit: Unassigned

Examiner: Unassigned

Atty Docket: MICS:0035/FLE
97-1008

ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73
AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned, being Assignee of the entire interest in the above-identified application by virtue of an Assignment recorded in the United States Patent and Trademark Office as set forth below, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor(s).

The Assignee hereby revokes any previous Powers of Attorney and appoints:

Michael L. Lynch, Reg. No. 30,871; and Lia Pappas Dennison, Reg. No. 34,095

of MICRON TECHNOLOGY, INC.; and also

Michael G. Fletcher, Reg. No. 32,777, Patrick S. Yoder, Reg. No. 37,479;
and Robert A. Van Someren, Reg. No. 36,038.

with the law firm of FLETCHER, YODER & VAN SOMEREN, as its attorneys with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Pursuant to 37 C.F.R. § 3.73, the undersigned has reviewed the evidentiary documents, specifically the Assignment to MICRON TECHNOLOGY, INC. referenced below, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Please direct all communications as follows:

Michael G. Fletcher
FLETCHER, YODER & VAN SOMEREN
P.O. Box 692289
Houston, TX 77269-2289
(281) 970-4545

ASSIGNEE: Micron Technology, Inc.

Date: Nov 30, 1998

By: [Signature]
Name: Michael L. Lynch, Chief Patent Counsel

ASSIGNMENT:

X Enclosed for recording
____ Previously recorded:

Date:
Reel:
Frame:



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MARCH 29, 1999

PTAS

FLETCHER, YODER, VAN SOMEREN
MICHAEL G. FLETCHER
7915 FM 1960 WEST, SUITE 330
HOUSTON, TEXAS 77070



100926852A

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/11/1998

REEL/FRAME: 9644/0989

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FARNWORTH, WARREN M.

DOC DATE: 11/30/1998

ASSIGNEE:

MICRON TECHNOLOGY, INC.
8000 S. FEDERAL WAY
BOISE, IDAHO 83707-0006

SERIAL NUMBER: 09210517

FILING DATE: 12/11/1998

PATENT NUMBER:

ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

U.S. Department of Commerce
Patent And Trademark Office

100926852

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies): MAN 12-11-98

Warren M. Farnworth

Additional name(s) of conveying party(ies) attached?

 Yes **X** No

3. Nature of conveyance:

X Assignment

___ Merger

 Security Agreement

Change of Name

___ Other

Execution Date: November 30, 1998

2. Name and address of receiving party(ies):

Name: MICRON TECHNOLOGY, INC.

Internal Address:

Street Address: 8000 S. Federal Way

City: **Boise** State: **Idaho** Zip: **83707-0006**

Additional name(s) & address(es) attached? Yes X No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: **November 30, 1998**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Michael G. Fletcher**

Internal Address: **FLETCHER, YODER & VAN SOMEREN**
P.O. Box 692289
Houston, Texas 77269-2289

Street Address: **7915 FM 1960 West, Suite 330**
Houston, Texas 77070

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)----- \$ 40.00

Enclosed

X Authorized to be charged to deposit account

8. Deposit account number: 13-3092;
Order No. MICS:0035/FLE (97-1008)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael G. Fletcher

Name of Person Signing

Signature

December 11, 1998

Date _____

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to
Assistant Commissioner for Patents, Box Assignments
Washington, D.C. 20231

12/21/1998 JWatkins 00000002
01 FC:581 40.00 CH

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 S. Federal Way, Boise, Idaho 83707-0006, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "METHODS AND APPARATUS FOR FORMING SOLDER BALLS," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

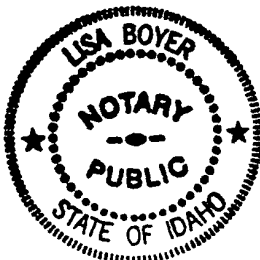
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature): Warren M. Farnworth
Name: Warren M. Farnworth

Date: 11-30-98

STATE OF Idaho §
COUNTY OF Ada § ss.
§

BEFORE ME, the undersigned authority, on this 30 day of November, 1998, personally appeared Warren M. Farnworth known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



[SEAL]

Lisa Boyer
Notary or Consular Officer

Sole/Joint, Concurrent with Application